

MINNESOTA AG NEWS

WEEKLY CROP-WEATHER



USDA, NASS, MINNESOTA  
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USDA, NASS, MINNESOTA FIELD OFFICE, IN COOPERATION WITH THE NATIONAL WEATHER SERVICE  
TWIN CITIES INT'L AIRPORT, UNIV. OF MINN. EXTENSION SERVICE, AND STATE CLIMATOLOGY, FSA, NRCS, DNR

HOT, DRY CONDITIONS CAUSE DECLINE IN CROP CONDITION

Continued hot, dry weather in much of the State has helped the small-grain harvest advance but is stressing many other crops, according to the USDA, NASS, Minnesota Field Office. A strong cold front midweek brought scattered rain, cooler temperatures, and strong winds that flattened corn in parts of the west and south-central parts of the State.

The average temperature for the week was 72.9 degrees, 2.9 degrees above normal. Statewide topsoil moisture supplies as of August 5<sup>th</sup> were rated 10% very short, 26% short, 61% adequate, and 3% surplus.

An estimated 16% of Spring Wheat acreage was harvested as of Sunday, compared with 4% for the same date in 2004 and 18% for the five-year average. Oats were 55% harvested, compared with 25% last year and 46% for the five-year average. Barley was 49% harvested, compared with 7% last year and 28% for the five-year average.

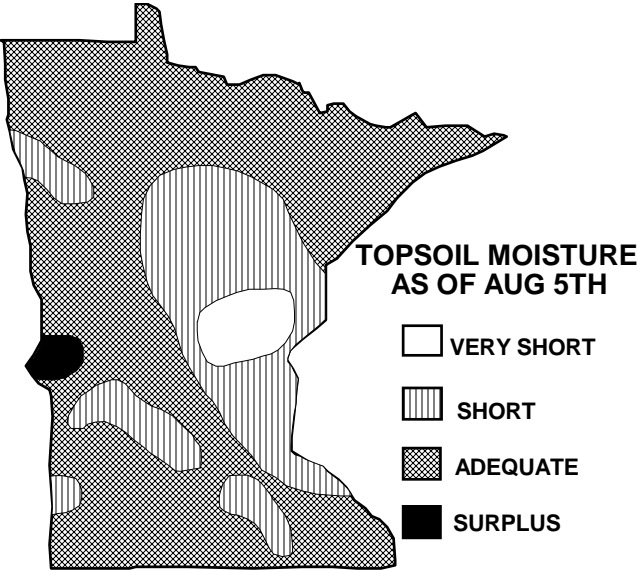
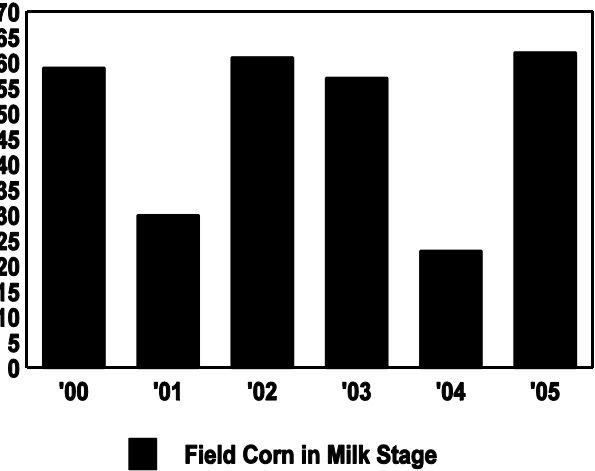
Sixty-two percent of the corn was in the milk stage, compared with 23% last year and 46% for the five-year average. Eleven percent was in the dough stage versus 3% last year and 9% for the five-year average. Ninety-five percent of the soybeans were blooming, compared with 89% last year and 95% for the 5-year average. Soybeans setting pods were 75% compared with 43% last year and 60% for the five-year average.

Days Suitable for Fieldwork: 6.4				
	Very Short	Short	Ade-quate	Sur-plus
Topsoil Moisture (%)	10	26	61	3

Crop Progress as of August 7, 2005					
Crop	Stage of Development	This Week	Last Week	Last Year	5 Yr Avg
----- Percent -----					
Corn	Silking	99	98	89	96
	Milk	62	26	23	46
	Dough	11	0	3	9
Soybeans	Blooming	95	94	89	95
	Setting Pods	75	47	43	60
Oats	Turning Ripe	97	91	86	95
	Harvested	55	33	25	46
Barley	Turning Ripe	99	92	85	92
	Harvested	49	12	7	28
Spring Wheat	Turning Ripe	89	82	78	89
	Harvested	16	5	4	18
Canola	Harvested	10	NA	0	2
Sweet Corn	Harvested	15	NA	0	13

Crop Condition as of August 5, 2005 in %					
	Very Poor	Poor	Fair	Good	Exc
Pasture	3	17	36	39	5
Field Corn	2	7	25	48	18
Soybeans	2	4	30	47	17
Spring Wheat	1	12	55	30	2
Barley	8	10	56	24	2
Oats	4	8	34	45	9
Dry Beans	0	10	45	38	7
Potatoes	2	4	27	60	7
Sunflowers	1	5	57	31	6
Sugarbeets	1	2	33	50	14
Canola	13	34	47	6	0

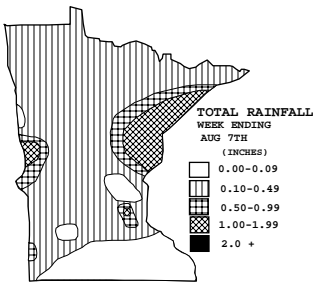
PERCENT OF FIELD CORN IN MILK STAGE  
AS OF AUGUST 7, 2005



Robert Purvis  
Agricultural Statistician

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Director

PRECIPITATION AND TEMPERATURES FOR THE WEEK ENDING August 7, 2005:  
Temperatures averaged from 1.0 degree above normal in the Southwest District to 4.9 degrees above normal in the East Central District. Extremes: 96° at the MSP Airport; 40° in Hibbing. Precipitation averaged from 0.99 inch below normal in the South Central District to 0.02 inch below normal in the Northeast District. Greatest weekly total was 1.48 inches recorded at the MSP Airport.



Precipitation and Temperature Summary for 8/1/2005 through 8/7/2005

	Temperature				Precipitation				G D D	
	High	Low	Week Ave	Depart from Norm	Week Total	Depart Past Week	From Four Weeks	From Norm Since 4/1	Since May 4	Depart from Norm
<u>NW DIST 1</u>										
Crookston	93	50	73.4	3.2	.33	-.35	-2.06	-.72	1501	-4
Moorhead	92	50	74.8	3.5	.05	-.54	-1.81	1.70	1612	38
Warroad	88	52	70.8	2.9	.16	-.55	-.11	3.17	1319	4
<u>NC DIST 2</u>										
Grand Rapids	94	47	73.4	6.0	.34	-.57	-2.63	-2.33	1421	93
Intl. Falls	88	45	69.1	2.9	.11	-.58	-1.10	2.04	1237	-9
Itasca	91	47	71.0	4.4	.16	-.70	-2.54	-.88	1409	172
<u>NE DIST 3</u>										
Duluth	87	51	71.5	5.7	1.46	.54	-1.68	-.14	1246	104
Grand Marais	82	49	64.6	1.2	.07	-.63	-2.35	-.72	802	13
Hibbing	88	40	67.2	1.2	.91	.03	-1.80	-5.78	1253	48
<u>WC DIST 4</u>										
Alexandria	89	52	73.8	3.7	.30	-.48	-.51	1.05	1602	92
Browns Valley	89	47	72.8	.4	.67	-.04	-.11	3.70	1676	10
Canby	92	50	76.2	3.0	.22	-.44	-1.71	-.80	1838	96
Fergus Falls	90	53	72.6	2.1	1.40	.66	.48	5.32	1643	118
Montevideo	90	49	73.3	1.4	.22	-.51	-.26	2.50	1745	83
Morris	89	49	72.2	1.0	.43	-.40	-.78	1.61	1640	18
<u>CENT DIST 5</u>										
Becker	94	52	75.9	6.3	.08	-.89	-2.39	-1.69	1762	261
Collegeville	92	55	76.3	4.0	.22	-.61	-1.50	.58	1807	116
Hutchinson	92	55	74.6	3.0	.18	-.74	.50	2.52	1784	93
Olivia	90	50	72.3	1.5	.20	-.57	.51	3.44	1727	75
St. Cloud	92	48	73.6	4.0	.05	-.79	-1.14	-1.89	1694	193
Staples	87	49	71.5	3.8	.28	-.47	-.80	2.10	1484	132
Willmar	90	50	73.4	2.4	.17	-.67	-1.74	-3.14	1727	87
<u>EC DIST 6</u>										
Aitkin	90	50	73.0	6.2	1.14	.17	-1.52	1.53	1474	194
Forest Lake	95	53	76.2	5.5	.09	-.97	-3.01	-3.35	1770	170
MSP Airport	96	60	77.2	4.2	1.48	.54	.62	-1.11	1939	195
St. Paul - UofM	93	58	76.9	3.7	.25	-.75	-.82	-1.13	1909	119
<u>SW DIST 7</u>										
Lamberton	90	50	72.3	.8	.39	-.40	-.78	2.86	1765	49
Pipestone	88	49	72.4	.8	.98	.28	2.41	4.91	1709	74
Redwood Falls	92	53	73.6	.4	.04	-.81	-.99	.92	1803	-2
Worthington	88	51	72.2	1.8	0	-.79	-.61	1.64	1748	143
<u>SC DIST 8</u>										
Faribault	93	54	74.2	3.2	.10	-.92	-2.08	.19	1766	139
Mankato	M	M	M	M	M	M	-2.15m	-2.05m	1613m	-83m
Waseca	90	50	72.9	2.0	.01	-1.07	-1.39	1.24	1809	148
Winnebago	90	52	72.6	1.0	.01	-.98	-.88	2.65	1810	111
<u>SE DIST 9</u>										
Preston	89	50	71.8	1.6	.05	-1.03	1.77	-.03	1659	103
Red Wing	94	54	74.6	2.6	.17	-.75	-1.91	-3.27	1820	141
Rochester	87	51	71.8	1.9	0	-1.04	-1.40	-4.31	1755	213
Rosemount	93	55	73.7	2.3	.91	-.16	-1.01	-4.27	1792	106
Winona	91	58	77.2	3.0	0	-.95	2.54	-.12	1890	29

m=some data missing

Corn growing degree days (GDD) are calculated by subtracting a 50 degree base temperature from the average of the maximum and minimum temperature for the day. The daily maximum is limited to 86 degrees and minimum of 50 degrees.

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